

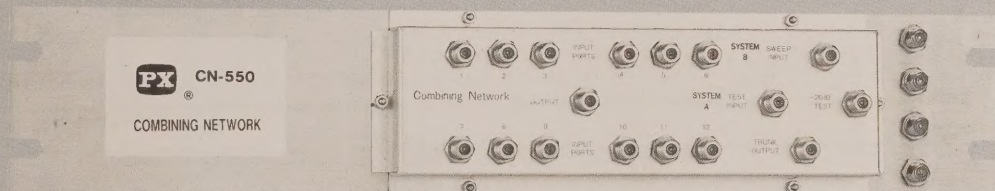


Priority in Service Quality

**CABLE TV SYSTEMS**

## **Model: CN-550 CATV COMBINING NETWORK**

**Combine Twelve Separate Signal Source**



**High Isolation and Equal Level Outputs**

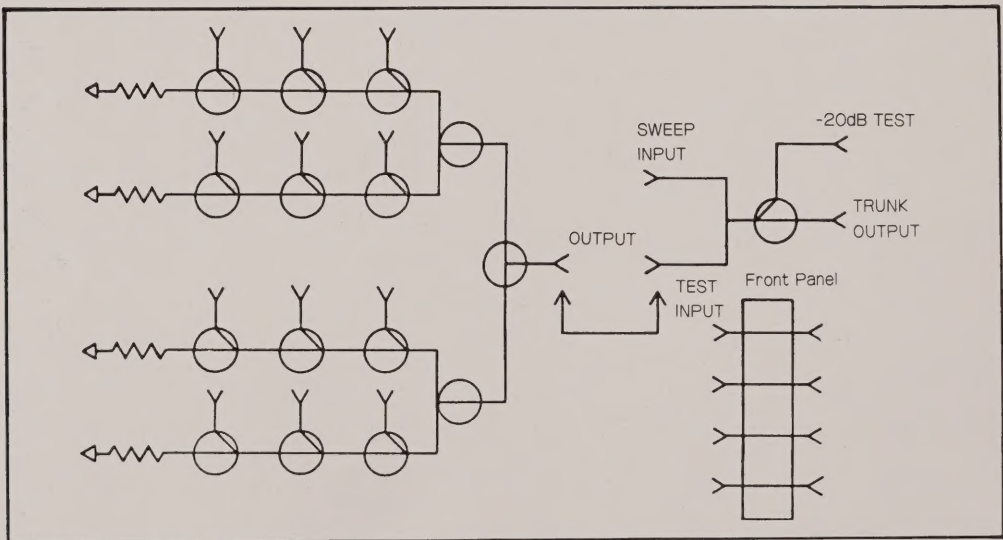
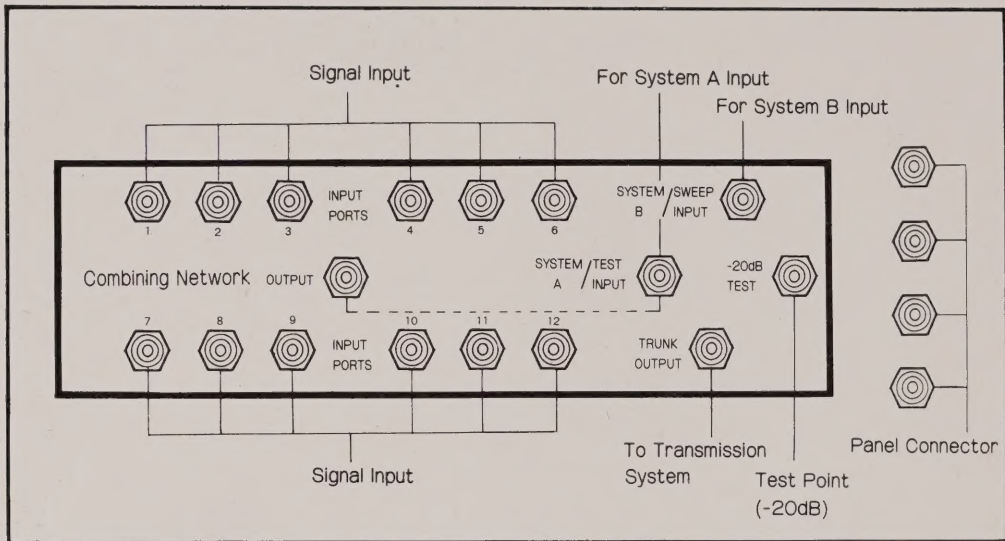
**CN-550**

### **FEATURES:**

1. CN-550 CATV Combining Network is designed for providing the CATV Headend System using to combine twelve separate signal sources, such as Head Amplifier (PA-35B), CATV Modulators (CA-62B) etc, into one signal source for trunk line transmission.
2. CN-550 Combining Network provides four front panel and four rear panel test connectors for test connections, monitoring points, sweep inputs, or as needed to satisfy a station or system configuration.
3. Directional coupler circuit provides high isolation 30dB to avoid the interference from adjacent channel.
4. CN-550 Combining Network provides A/B system connected for two or more CN-550 combination.

# INSTALLATION

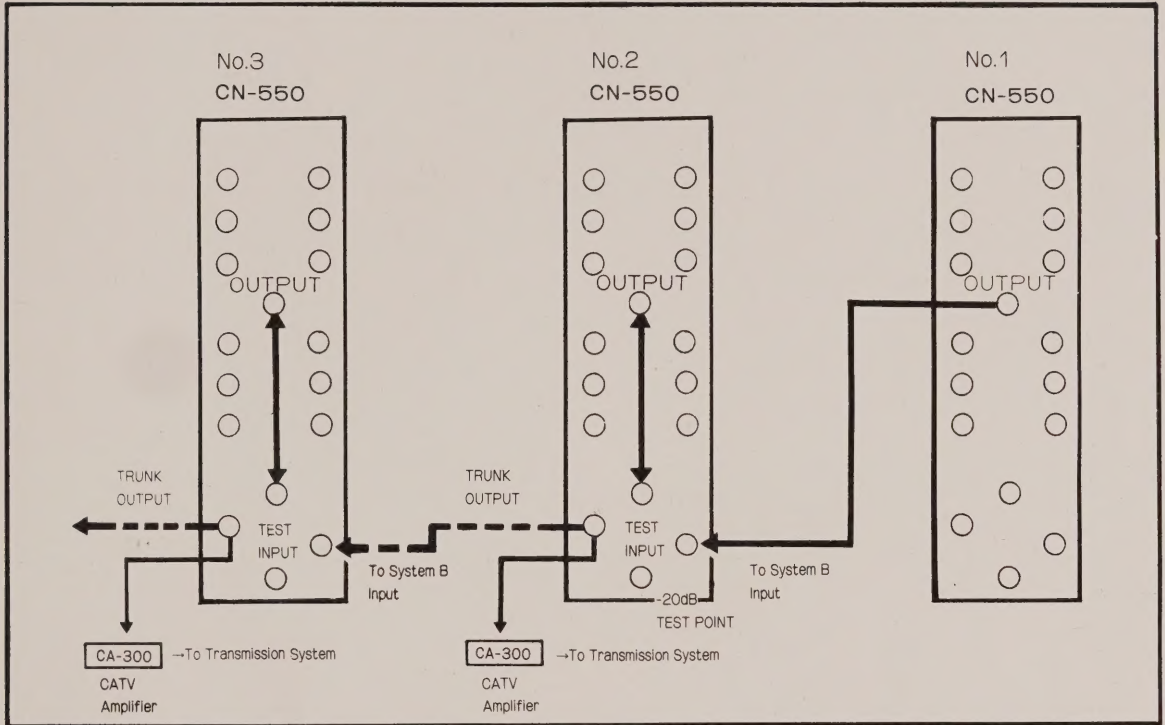
## CN-550 Functional Diagram



1. Connect each channel's output signal from the Headend Amplifier (PA-35B), and Headend Modulator (CA-62B), etc. to the CN-550 signal input terminal (CN-550 provides 12 signal inputs)
2. Connect the mixed output signal to the TEST INPUT terminal, for providing the signal to TEST POINT.
3. Use the system trunk output to transmit the headend signal to the CATV transmission system.



## Connection For 2 or More CN-550 Combination.



1. Connect the OUTPUT signal of No.1 CN-550 to the SYSTEM B input terminal of No. 2 CN-550.
2. Connect the OUTPUT signal of No.2 CN-550 to the TEST INPUT terminal, for providing the signal to TEST POINT (-20dB) for output signal level testing.
3. Connect the TRUNK OUTPUT signal of No. 2 CN-550 to transmit the Headend system signal to CATV transmission system.
4. If more CN-550 combination is needed, connect the TRUNK OUTPUT signal of No. 2 CN-550. To the SYSTEM B input terminal of No.3 CN-550. Follow the diagram instructed procedure for more CN-550 connection.
5. CN-550 can be equipped in a 19 inches standard equipment cabinet.

# CN-550 COMBINING NETWORK



## SPECIFICATIONS:

Items	Specifications
Input Ports	12
Output Port	1
Frequency Range	45~ 550MHz
Frequency Response	$\pm 1.0\text{dB}$
Isolation	$> 27\text{dB}$
Input Return Loss	$> 17\text{dB}$
Output Return Loss	$> 16\text{dB}$
Output Signal Loss	$22\text{dB} \pm 1.5\text{dB}$
Input Impedance	75ohm
Output Impedance	75ohm
Test Point	$- 20\text{dB} \pm 1\text{dB}$
Dimensions	483(W)x88.9(H)x12.7(D)mm
Weight	0.82Kgs Approx.